JOURNAL OF PATHOLOGY, VOL. 162: iv–vi (1990)

CONTENTS

Volume 162, Issue Nos 1–4, 1990

JOURNAL OF PATHOLOGY

Issue No. 1 SEPTEMBER 1990

Editorials

Clonal Dermatoses: A Conceptual and Diagnostic Dilemma: D. SLATER 1

Mutant p53—The Commonest Genetic Abnormality in Human Cancer: A. L. HARRIS . . 5

Review Article—Chromosome Pathology

Tracing Disease Genes Through Family Studies: C. M. STEEL 7

Original Papers

Detection of Endothelin Immunoreactivity and mRNA in Pulmonary Tumours: A. GLAID, Q. A. HAMID, D. R. SPRINGALL, M. YANAGISAWA, O. SHINMI, T. SAWAMURA, T. MASAKI, S. KIMURA, B. CORRIN and J. M. POLAK 15

The Expression of Lewis^a and Lewis^b Antigens Reflects Changes in Fucosylation Between Normal and Neoplastic Cervical Squamous Epithelium: D. S. A. SANDERS, D. M. MILNE and M. A. KERR 23

Alpha-smooth Muscle Actin as a Marker for Soft Tissue Tumours: A Comparison with Desmin: H. JONES, P. V. STEART, C. E. H. DU BOULAY and W. R. ROCHE 29

Bacillus Calmette-guérin-treated Superficial Bladder Cancer: Correlation of Morphology with Immunophenotyping: A. S.-Y. LEONG, P. WANNAKRAIROT, J. JOSE and J. MILIOS 35

Silver Stained Nucleolar Organizer Region Proteins (Ag-NORs) as a Predictor of Prognosis in Colonic Cancer: D. ÖFNER, M. TÖTSCH, P. SANDBICHLER, CHR. HALLBRUCKER, R. MARGREITER, G. MIKUZ and K. W. SCHMID 43

DNA Analysis by Flow Cytometry in Malignant Pleural Mesothelioma: Relationship to Histology and Survival: H. DAZZI, N. THATCHER, P. S. HASLETON, A. K. CHATTERJEE and R. A. M. LAWSON. 51

A Morphometrically-based Classification Rule for the Diagnosis of Primary Mesothelial Lesions: F. ROBUTTI, P.-G. BETTA, A. DONNA and M. PAVESI. 57

Ubiquitin Conjugate Immunoreactivity in Brains of Scrapie Infected Mice: J. LOWE, H. McDERMOTT, N. KENWARD, M. LANDON, R. J. MAYER, M. BRUCE, P. McBRIDE, R. A. SOMERVILLE and J. HOPE 61

Histopathological Changes in Simian Immunodeficiency Virus Infection: A. BASKERVILLE, A. RAMSAY, M. P. CRANAGE, N. COOK, R. W. COOK, M. J. DENNIS, P. J. GREENAWAY, P. A. KITCHIN and E. J. STOTT 67

Role of Sinusoidal Pressure in the Development of Vacuolation in Liver Cells: Y. SHIBAYAMA, K. HASHIMOTO and K. NAKATA 77

Selected Summaries

Liver Pathology: S. G. HUBSCHER 83

Book Reviews 89

Announcement 93

Issue No. 2 OCTOBER 1990

Editorial

Integrin Cell Adhesion Molecules and Colorectal Cancer: M. PIGNATELLI and W. F. BODMER 95

Review Article

The Polymerase Chain Reaction: Miracle or Mirage? A Critical Review of its Uses and Limitations in Diagnosis and Research: P. A. WRIGHT and D. WYNFORD-THOMAS . . 99

JOURNAL OF PATHOLOGY, VOL. 162: iv–vi (1990)

CONTENTS

Volume 162, Issue Nos 1–4, 1990

JOURNAL OF PATHOLOGY

Issue No. 1 SEPTEMBER 1990

Editorials

Clonal Dermatoses: A Conceptual and Diagnostic Dilemma: D. SLATER 1

Mutant p53—The Commonest Genetic Abnormality in Human Cancer: A. L. HARRIS . . 5

Review Article—Chromosome Pathology

Tracing Disease Genes Through Family Studies: C. M. STEEL 7

Original Papers

Detection of Endothelin Immunoreactivity and mRNA in Pulmonary Tumours: A. GLAID, Q. A. HAMID, D. R. SPRINGALL, M. YANAGISAWA, O. SHINMI, T. SAWAMURA, T. MASAKI, S. KIMURA, B. CORRIN and J. M. POLAK 15

The Expression of Lewis^a and Lewis^b Antigens Reflects Changes in Fucosylation Between Normal and Neoplastic Cervical Squamous Epithelium: D. S. A. SANDERS, D. M. MILNE and M. A. KERR 23

Alpha-smooth Muscle Actin as a Marker for Soft Tissue Tumours: A Comparison with Desmin: H. JONES, P. V. STEART, C. E. H. DU BOULAY and W. R. ROCHE 29

Bacillus Calmette-guérin-treated Superficial Bladder Cancer: Correlation of Morphology with Immunophenotyping: A. S.-Y. LEONG, P. WANNAKRAIROT, J. JOSE and J. MILIOS 35

Silver Stained Nucleolar Organizer Region Proteins (Ag-NORs) as a Predictor of Prognosis in Colonic Cancer: D. ÖFNER, M. TÖTSCH, P. SANDBICHLER, CHR. HALLBRUCKER, R. MARGREITER, G. MIKUZ and K. W. SCHMID 43

DNA Analysis by Flow Cytometry in Malignant Pleural Mesothelioma: Relationship to Histology and Survival: H. DAZZI, N. THATCHER, P. S. HASLETON, A. K. CHATTERJEE and R. A. M. LAWSON. 51

A Morphometrically-based Classification Rule for the Diagnosis of Primary Mesothelial Lesions: F. ROBUTTI, P.-G. BETTA, A. DONNA and M. PAVESI. 57

Ubiquitin Conjugate Immunoreactivity in Brains of Scrapie Infected Mice: J. LOWE, H. McDERMOTT, N. KENWARD, M. LANDON, R. J. MAYER, M. BRUCE, P. McBRIDE, R. A. SOMERVILLE and J. HOPE 61

Histopathological Changes in Simian Immunodeficiency Virus Infection: A. BASKERVILLE, A. RAMSAY, M. P. CRANAGE, N. COOK, R. W. COOK, M. J. DENNIS, P. J. GREENAWAY, P. A. KITCHIN and E. J. STOTT 67

Role of Sinusoidal Pressure in the Development of Vacuolation in Liver Cells: Y. SHIBAYAMA, K. HASHIMOTO and K. NAKATA 77

Selected Summaries

Liver Pathology: S. G. HUBSCHER 83

Book Reviews 89

Announcement 93

Issue No. 2 OCTOBER 1990

Editorial

Integrin Cell Adhesion Molecules and Colorectal Cancer: M. PIGNATELLI and W. F. BODMER 95

Review Article

The Polymerase Chain Reaction: Miracle or Mirage? A Critical Review of its Uses and Limitations in Diagnosis and Research: P. A. WRIGHT and D. WYNFORD-THOMAS . . 99

Original Papers

Immunohistochemical Identification of Mast Cells in Formaldehyde-Fixed Tissue Using Monoclonal Antibodies Specific for Tryptase: A. F. WALLS, D. B. JONES, J. H. WILLIAMS, M. K. CHURCH and S. T. HOLGATE 119

Sequence Analysis of Amplified t(14;18) Chromosomal Breakpoints in B-cell Lymphomas: S. EICK, G. KREIGER, I. BOLZ and M. KNEBA. 127

A Genotypic Study of Low Grade B-cell Lymphomas, Including Lymphomas of Mucosa Associated Lymphoid Tissue (MALT): A. C. WOTHERSPOON, L. PAN, T. C. DISS and P. G. ISAACSON 135

Distribution of Type 1 Collagen in Human Kidney Diseases in Comparison with Type III Collagen: K. YOSHIOKA, M. TOHDA, T. TAKEMURA, N. AKANO, K. MATSUBARA, A. OOSHIMA and S. MAKI 141

Analysis of the Position of Segmental Lesions in Glomeruli in Vasculitic-Type Glomerulonephritis and Other Disorders: K. M. NEWBOLD and A. J. HOWIE . . . 149

Reduction of Major Histocompatibility Complex Class I Antigens on Invasive and High-Grade Transitional Cell Carcinoma: Y. TOMITA, Y. MATSUMOTO, T. NISHIYAMA and M. FUJIWARA 157

Changes in the Expression of Major Histocompatibility Complex Class II Antigens in Liver Allograft Rejection: S. G. HUBSCHER, D. H. ADAMS and E. ELIAS 165

Selected Summaries

Large Intestine: G. T. WILLIAMS 173

How do we Teach Pathology?

Autopsy Demonstrations to Medical Students: Audit by Questionnaire: E. W. BENBOW . 177

Book Reviews 181

Announcements 185

Issue No. 3 NOVEMBER 1990

Editorial

Why Show Autopsies to Medical Students? E. W. BENBOW 187

Carcinoid Tumours of the Appendix are Different: P. A. V. SHAW 189

Rapid Communication

A Sensitive Method of Screening for Dominant T Cell Clones by Amplification of T Cell Gamma Gene Rearrangements with the Polymerase Chain Reaction: R. B. GOUDIE, S. N. KARIM, K. MILLS, M. ALCORN and F. D. LEE 191

Original Papers

***In Situ* Hybridization of Immunoglobulin Light Chain mRNA in Paraffin Sections Using Biotinylated or Hapten-labelled Oligonucleotide Probes:** J. H. PRINGLE, A. K. RUPRAI, L. PRIMROSE, J. KEYTE, L. POTTER, P. CLOSE and I. LAUDER 197

Zonal Distribution of Immunoglobulin-synthesizing Cells Within the Germinal Centre: An *In Situ* Hybridization and Immunohistochemical Study: P. M. CLOSE, J. H. PRINGLE, A. K. RUPRAI, K. P. WEST and I. LAUDER 209

Growth Fraction in Lung Tumours Determined by Ki67 Immunostaining and Comparison with AgNOR Scores: I. N. SOOMRO and W. F. WHIMSTER 217

***In Situ* Distribution of Transforming Growth Factor *a* in Normal Human Tissues and in Malignant Tumours of the Ovary:** F. KOMMOSS, H. O. WINTZER, S. VON KLEIST, M. KOHLER, R. WALKER, B. LANGTON, K. VAN TRAN, A. PFLEIDERER and T. BAUKNECHT . 223

***c-erbB-2* Oncogene Expression in Ovarian Cancer:** J. S. HALDANE, V. HIRD, C. M. HUGHES and W. J. GULLICK 231

***Helicobacter Pylori* Infection of Gastric Mucin Cell Metaplasia: The Duodenum Revisited:** G. J. A. OFFERHAUS, E. N. MOLYVAS and P. J. HOEDEMAEKER 239

The Glomerular Changes in Children with Reflux Nephropathy: M. MORITA, S. YOSHIARA, R. H. R. WHITE and F. RAAFAT 245

Biliary Epithelial Cells from the Liver of Patients with Primary Biliary Cirrhosis: Isolation, Characterization, and Short-term Culture: R. JOPLIN, A. J. STRAIN and J. M. NEUBERGER 255

The Osteoclast, which Derives from a Haemopoietic Stem Cell, is Not Depleted in Aplastic Anaemia: A. M. FLANAGAN. 261

How do we Teach Pathology?

Silicone Plastinated Pathology Specimens and Their Teaching Potential: T. P. DAWSON, R. S. JAMES and G. T. WILLIAMS 265

Letters to the Editor

QBEnd/10: A Useful, but by no Means Specific, Marker of Kaposi's Sarcoma: C. D. M. FLETCHER and P. RAMANI 273

QBEnd/10: A New Immunostain for the Routine Diagnosis of Kaposi's Sarcoma: A. P. DHILLON, E. A. SANKEY and L. MORE 274

'EGF Receptor' Antibody 29.1.1: W. J. GULLICK and N. R. LEMOINE 275

Reply by Sigma Chemical Company: H. LANGBEHEIM 275

Book Reviews 277

Issue No. 4 DECEMBER 1990

Rapid Communications

Epidermal Growth Factor (EGF/URO) Induces Expression of Regulatory Peptides in Damaged Human Gastrointestinal Tissues: N. A. WRIGHT, R. POULSOM, G. W. H. STAMP, P. A. HALL, R. E. JEFFERY, J. M. LONGCROFT, M.-C. RIO, C. TOMASETTO and P. CHAMBON. 279

Proliferating Cell Nuclear Antigen (PCNA) Immunolocalization in Paraffin Sections: An Index of Cell Proliferation with Evidence of Deregulated Expression in Some Neoplasms: P. A. HALL, D. A. LEVISON, A. L. WOODS, C. C.-W. YU, D. B. KELLOCK, J. A. WATKINS, D. M. BARNES, C. E. GILLETT, R. CAMPLEJOHN, R. DOVER, N. H. WASEEM and D. P. LANE 285

Original Papers

Steroid Receptors and Ki-67 Reactivity in Ovarian Cancer and in Normal Ovary: Correlation with DNA Flow Cytometry, Biochemical Receptor Assay, and Patient Survival: J. ISOLA, O.-P. KALLIONIEMI, J.-M. KORTE, T. WAHLSTRÖM, R. AINE, M. HELLE and H. HELIN 295

Glutathione S-Transferase Detoxication Enzymes in Cervical Neoplasia: P. J. CARDER, A. AL-NAFUSSI, M. RAHILLY, J. LAUDER and D. J. HARRISON 303

***In Situ* and Slot Hybridization Analysis of RNA in Colorectal Tumours and Normal Colon Shows Distinct Distributions of Mitochondrial Sequences:** K. A. CHESTER, L. ROBSON, R. H. J. BEGENT, H. PRINGLE, L. PRIMROSE, I. C. TALBOT, A. J. S. MACPHERSON, S. L. OWEN, G. BOXER and A. D. B. MALCOLM 309

Loss of Alkaline Phosphatase Activity in Duodenal Mucosa: A Marker for Precursors of Gastric Metaplasia?: P. KÜHL, K. BACZAKO, A. STANESCU and P. MALFERTHEINER . . . 317

Deduction from Wilms' Tumour that Glomerular Podocytes Produce the Basement Membrane Material Bearing Goodpasture Determinants: D. DROZ, N. DIEBOLD, D. JAN and F. JAUBERT 323

Determinants of Glomerular Cross-sectional Area: K. M. NEWBOLD and A. J. HOWIE . . 329

Adenomatous Hyperplasia of the Rete Testis in the Undescended Testis: K. COOPER and D. GOVENDER 333

The Fate of Vacuolation in Liver Cells with Special Reference to Hyaline Globules: Y. SHIBAYAMA, M. YAHARA and K. NAKATA 335

Comparative Endotoxin-induced Hepatic Injury in Young and Aged Rats: S. K. DURHAM, A. BROUWER, R. J. BARELDS, M. A. HORAN and D. L. KNOOK 341

Selected Summaries

Endocrine Pathology: A. M. McNICOL 351

Letters to the Editor

Intracellular Inclusions in Visceral Myopathy: S. SHOUSHA and T. B. BULL. 355

Oestrogen Receptor Staining of Breast Carcinomas: A Comment: A. J. BACZKOWSKI . 356

Book Reviews 357

Announcements 363

Volume Contents iii

Key Word Index. vii

Author Index viii